Open architecture coupled with a hypervisor, enabling the development of both «hardware» and «software» new features in a secure manner

### Technological benefits

**Innovative technology**
- Evolutive because the impact of a new function is controlled by the hypervisor
- Secure because during operations, the hypervisor monitors the performance of different modules

**Open architecture**
- Can be used on its own hardware platform and adaptable to its needs
- Can be used for developing its own software and material architecture

### Invention overview

This invention is an open-source architecture of GNSS receiver that supports the management of functionality within a hypervisor.

Using a hypervisor guarantees that the material resources needed for nominal operation of the receiver are not usable by the functionality tested, even in case of an increase in resource requirements.

### Potential applications

Manufacturer of GNSS Receiver, research laboratories, developers of geolocation-related applications

GNSS receiver prototype development and testing algorithm for treatment of multiple paths, etc.

SDR – Software Design Radio

### Commercial benefits

Reduced development costs

Evolutive and secure system

**TRL : 6 (2015)**

*Patented invention, available under license*